

## AVIONIC SYSTEM AND GROUND STATION FOR AIRCRAFT OUT OF ROUTE MANAGEMENT AND ALARM COMMUNICATIONS

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### Abstract of WO2004008415

An avionic system and ground station for aircraft out of route management and alarm communication composed of an avionic device, which is fitted onboard the aircraft, with a memory unit for storing flight paths data, runways, orography, and obstacles; processors to compute the stored or received data available from sensors monitoring the onboard situation. Processors will compute commands to the aircraft's autopilot to temporarily take over the aircraft control and return it to pre-set flight levels and spatial positions; communication devices suitable for transmitting the real time onboard situation to ground control stations when potentially dangerous events occur.

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